

IN THE CLAIMS

Please cancel claims 13 and 27 without prejudice or disclaimer, and amend claims 2 thru 12, 14, 16 thru 26 and 28, as follows:

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1           1. (Original)    A method for setting a print location for printing by a printer,  
2    comprising the steps of:  
3           determining whether a print location setting command for setting a print location  
4    for printing by the printer is input;  
5           outputting a print location setting menu screen for setting the print location for  
6    printing by the printer when the print location setting command is input;  
7           inputting print location information for setting the print location for printing by  
8    the printer for entry in the print location setting menu screen; and  
9           storing the input print location information entered in the print location setting  
10   menu screen in a memory.

1           2. (Currently Once Amended)   The method of claim 1, ~~further comprised of~~ the  
2    print location setting menu screen comprising an input window for inputting at least  
3    coordinate information about a starting point and an end point of the print location for  
4    setting the print location for printing by the printer.

1           3. (Currently Once Amended)   The method of claim 2, ~~further comprised of~~ the

2 print location setting menu screen further comprising a cursor input window for setting  
3 the print location information to default values.

1 4. (Currently Once Amended) The method of claim 3, ~~further comprised of the~~  
2 print location setting menu screen being programmed such that edge boundary screen  
3 information for a printing medium and print boundary screen information for a print  
4 location area for printing on the printing medium are displayed together on the print  
5 location setting menu screen, with the print boundary screen information being changed  
6 according to the input print location information.

1 5. (Currently Once Amended) The method of claim 4, ~~further comprised of the~~  
2 print location setting menu screen being programmed such that the print boundary screen  
3 information is respectively changed in X-axis and Y-axis directions by using a print  
4 location adjustment cursor.

1 6. (Currently Once Amended) The method of claim ~~[[4]]~~ 1, ~~further comprised of~~  
2 the print location setting menu screen further comprising a cursor input window for  
3 setting the print location information to default values.

1 7. (Currently Once Amended) The method of claim 1, ~~further comprised of the~~  
2 print location setting menu screen being programmed such that edge boundary screen

3 information for a printing medium and print boundary screen information for a print  
4 location area for printing on the printing medium are displayed together on the print  
5 location setting menu screen, with the print boundary screen information being changed  
6 according to the input print location information.

1 8. (Currently Once Amended) The method of claim 7, ~~further comprised of the~~  
2 print location setting menu screen being programmed such that the print boundary screen  
3 information is respectively changed in X-axis and Y-axis directions by using a print  
4 location adjustment cursor.

1 9. (Currently Once Amended) [[A]] The method of claim 1, further comprising  
2 the step of:

3 adjusting the print location for printing by the printer, comprising the steps of:


4 receiving the print location information about the print location for printing  
5 on a printing medium by the printer and margin information about margins for  
6 printing on the printing medium from a computer;

7 determining the print location for printing on the printing medium using the  
8 print location information and the margin information; and

9 controlling the position of a printer head for printing on the printing  
10 medium according to the print location determined in the step for determining the  
11 print location.

1           10. (Currently Once Amended) The method of claim 9, ~~further comprised of the~~  
2 step for determining the print location comprising the steps of:

3           determining an X-axis lower limit  $X_s$  by adding a left margin value  $M_l$  contained  
4 in the margin information to an X-axis minimum value  $X_{min}$  contained in the print  
5 location information, and determining an X-axis upper limit  $X_e$  by subtracting a right  
6 margin value  $M_r$  contained in the margin information from an X-axis maximum value  
7  $X_{max}$  contained in the print location information;

8           determining a Y-axis lower limit  $Y_s$  by adding a top margin value  $M_t$  contained in  
9  the margin information to a Y-axis minimum value  $Y_{min}$  contained in the print location  
10 information, and determining a Y-axis upper limit  $Y_e$  by subtracting a bottom margin  
11 value  $M_b$  contained in the margin information from an Y-axis maximum value  $Y_{max}$   
12 contained in the print location information;

13           comparing the X-axis lower limit  $X_s$  with the X-axis upper limit  $X_e$  and  
14 comparing the Y-axis upper limit  $Y_e$  with the Y-axis lower limit  $Y_s$ , respectively;

15           selectively changing the margins respectively according to a predetermined rule  
16 when any of the X-axis lower limit  $X_s$  is greater than or equal to the X-axis upper limit  
17  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis upper limit  $Y_e$ ;  
18 and

19           determining the X-axis lower limit  $X_s$  and the Y-axis lower limit  $Y_s$  as the  
20 respective X-axis and Y-axis coordinate values of a print starting point  $X_{st}$ ,  $Y_{st}$  when the

21 X-axis lower limit  $X_s$  is less than the X-axis upper limit  $X_e$  and when the Y-axis lower  
22 limit  $Y_s$  is less the Y-axis upper limit  $Y_e$ , and when the X-axis lower limit  $X_s$  is greater  
23 than or equal to the X-axis upper limit  $X_e$ , determining an X-axis coordinate value  $X_{st}$  of  
24 the print starting point by adding the X-axis minimum value  $X_{min}$  to a changed left  
25 margin value  $Ml'$  determined in the selectively changing the margins step, and when the  
26 Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis upper limit  $Y_e$  determining a  
27 Y-axis coordinate value  $Y_{st}$  of the print starting point by adding the Y-axis minimum  
28 value  $Y_{min}$  to a changed top margin value  $Mt'$  determined in the selectively changing the  
29 margins step, respectively.

11. (Currently Once Amended) The method of claim 10, ~~further comprised of~~  
2 wherein, when any of the X-axis lower limit  $X_s$  is greater than or equal to the X-axis  
3 upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis upper  
4 limit  $Y_e$ , the margins are initialized to a zero position according to the predetermined  
5 rule.

12. (Currently Once Amended) A method of adjusting a print location for  
2 printing by a printer, comprising the steps of:  
3 receiving print location information about a print location for printing on a  
4 printing medium by the printer and margin information about margins for printing on the  
5 printing medium from a computer;

6 determining the print location for printing on the printing medium using the print  
7 location information and the margin information; and

8 controlling the position of a printer head for printing on the printing medium  
9 according to the print location determined in the step for determining the print location;

10 wherein the step for determining the print location comprises the steps of:

11 determining an X-axis lower limit  $X_s$  by adding a left margin value  
12  $M_l$  contained in the margin information to an X-axis minimum value  $X_{min}$   
13 contained in the print location information, and determining an X-axis  
14 upper limit  $X_e$  by subtracting a right margin value  $M_r$  contained in the  
15 margin information from an X-axis maximum value  $X_{max}$  contained in the  
16 print location information;

17 determining a Y-axis lower limit  $Y_s$  by adding a top margin value  $M_t$   
18 contained in the margin information to a Y-axis minimum value  $Y_{min}$   
19 contained in the print location information, and determining a Y-axis upper  
20 limit  $Y_e$  by subtracting a bottom margin value  $M_b$  contained in the margin  
21 information from an Y-axis maximum value  $Y_{max}$  contained in the print  
22 location information;

23 comparing the X-axis lower limit  $X_s$  with the X-axis upper limit  $X_e$   
24 and comparing the Y-axis upper limit  $Y_e$  with the Y-axis lower limit  $Y_s$ ,  
25 respectively;

26 selectively changing the margins respectively according to a

27 predetermined rule when any of the X-axis lower limit  $X_s$  is greater than or  
28 equal to the X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater  
29 than or equal to the Y-axis upper limit  $Y_e$ ; and

30 determining the X-axis lower limit  $X_s$  and the Y-axis lower limit  $Y_s$   
31 as the respective X-axis and Y-axis coordinate values of a print starting  
32 point  $X_{st}$ ,  $Y_{st}$  when the X-axis lower limit  $X_s$  is less than the X-axis upper  
33 limit  $X_e$  and when the Y-axis lower limit  $Y_s$  is less than the Y-axis upper  
34 limit  $Y_e$ , and when the X-axis lower limit  $X_s$  is greater than or equal to the  
35 X-axis upper limit  $X_e$ , determining an X-axis coordinate value  $X_{st}$  of the  
36 print starting point by adding the X-axis minimum value  $X_{min}$  to a changed  
37 left margin value  $M_l'$  determined in the selectively changing the margins  
38 step, and when the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-  
39 axis upper limit  $Y_e$  determining a Y-axis coordinate value  $Y_{st}$  of the print  
40 starting point by adding the Y-axis minimum value  $Y_{min}$  to a changed top  
41 margin value  $M_t'$  determined in the selectively changing the margins step,  
42 respectively.

Claim 13. (Canceled)

1 14. (Currently Once Amended) The method of claim ~~[[13]]~~ 12, further  
2 ~~comprised of~~ wherein, when any of the X-axis lower limit  $X_s$  is greater than or equal to

3 the X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-  
4 axis upper limit  $Y_e$ , the margins are initialized to a zero position according to the  
5 predetermined rule.

1 15. (Original) An apparatus for setting a print location for printing by a printer,  
2 comprising :

3 means for determining whether a print location setting command for setting a print  
4 location for printing by the printer is input;

5 means for outputting a print location setting menu screen for setting the print  
6 location for printing by the printer when the print location setting command is input;

7 means for inputting print location information for setting the print location for  
8 printing by the printer and for entering the input print location information in the print  
9 location setting menu screen; and

10 means for storing the input print location information entered in the print location  
11 setting menu screen.

1 16. (Currently Once Amended) The apparatus of claim 15, ~~further comprised of~~  
2 the print location setting menu screen comprising an input window for inputting at least  
3 coordinate information about a starting point and an end point of the print location for  
4 setting the print location for printing by the printer.



1           17. (Currently Once Amended)   The apparatus of claim 16, ~~further comprised of~~  
2   the print location setting menu screen further comprising a cursor input window for  
3   setting the print location information to default values.

1           18. (Currently Once Amended)   The apparatus of claim 17, ~~further comprised of~~  
2   the print location setting menu screen being programmed such that edge boundary screen  
3   information for a printing medium and print boundary screen information for a print  
4   location area for printing on the printing medium are displayed together on the print  
5   location setting menu screen, with the print boundary screen information being changed  
6   according to the input print location information.

1           19. (Currently Once Amended)   The apparatus of claim 18, ~~further comprised of~~  
2   the print location setting menu screen being programmed such that the print boundary  
3   screen information is respectively changed in X-axis and Y-axis directions by using a  
4   print location adjustment cursor.

1           20. (Currently Once Amended)   The apparatus of claim 15, ~~further comprised of~~  
2   the print location setting menu screen further comprising a cursor input window for  
3   setting the print location information to default values.

1           21. (Currently Once Amended)   The apparatus of claim 15, ~~further comprised of~~

2 the print location setting menu screen being programmed such that edge boundary screen  
3 information for a printing medium and print boundary screen information for a print  
4 location area for printing on the printing medium are displayed together on the print  
5 location setting menu screen, with the print boundary screen information being changed  
6 according to the input print location information.

1 22. (Currently Once Amended) The apparatus of claim 21, ~~further comprised of~~  
2 the print location setting menu screen being programmed such that the print boundary  
3 screen information is respectively changed in X-axis and Y-axis directions by using a  
4 print location adjustment cursor.

1 23. (Currently Once Amended) [[An]] The apparatus of claim 15, further  
2 comprising:

3 means for adjusting the print location for printing by the printer, the means for  
4 adjusting comprising:

5 means for receiving the print location information about the print location  
6 for printing on a printing medium by the printer and margin information about  
7 margins for printing on the printing medium from a computer;

8 means for determining the print location for printing on the printing  
9 medium using the print location information and the margin information; and

10 means for controlling the position of a printer head for printing on the

11 printing medium according to the print location determined by the means for  
12 determining the print location.

1 24. (Currently Once Amended) The apparatus of claim 23, ~~further comprised of~~  
2 the means for determining the print location[[,]] comprising:

3 means for determining an X-axis lower limit  $X_s$  that adds a left margin value  $M_l$   
4 contained in the margin information to an X-axis minimum value  $X_{min}$  contained in the  
5 print location information, and means for determining an X-axis upper limit  $X_e$  that  
6 ~~subtracts~~ a right margin value  $M_r$  contained in the margin information from an X-axis  
7 maximum value  $X_{max}$  contained in the print location information;

8 means for determining a Y-axis lower limit  $Y_s$  that adds a top margin value  $M_t$   
9 contained in the margin information to a Y-axis minimum value  $Y_{min}$  contained in the  
10 print location information, and means for determining a Y-axis upper limit  $Y_e$  that  
11 subtracts a bottom margin value  $M_b$  contained in the margin information from an Y-axis  
12 maximum value  $Y_{max}$  contained in the print location information;

13 means for comparing the X-axis lower limit  $X_s$  with the X-axis upper limit  $X_e$  and  
14 means for comparing the Y-axis upper limit  $Y_e$  with the Y-axis lower limit  $Y_s$ ,  
15 respectively;

16 means for selectively changing the margins respectively according to a  
17 predetermined rule when any of the X-axis lower limit  $X_s$  is greater than or equal to the  
18 X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis

upper limit  $Y_e$ ; and

means for determining the X-axis lower limit  $X_s$  and the Y-axis lower limit  $Y_s$  as the respective X-axis and Y-axis coordinate values of a print starting point  $X_{st}$ ,  $Y_{st}$  when the X-axis lower limit  $X_s$  is less than the X-axis upper limit  $X_e$  and when the Y-axis lower limit  $Y_s$  is less than the Y-axis upper limit  $Y_e$ , and when the X-axis lower limit  $X_s$  is greater than or equal to X-axis upper limit  $X_e$ , means for determining an X-axis coordinate value  $X_{st}$  of the print starting point that adds the X-axis minimum value  $X_{min}$  to a changed left margin value  $Ml'$  determined by the means for selectively changing the margins, and when the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis upper limit  $Y_e$ , means for determining a Y-axis coordinate value  $Y_{st}$  of the print starting point that adds the Y-axis minimum value  $Y_{min}$  to a changed top margin value  $Mt'$  determined by the means for selectively changing the margins.

25. (Currently Once Amended) The apparatus of claim 24, ~~further comprised of~~ wherein, when any of the X-axis lower limit  $X_s$  is greater than or equal to the X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis upper limit  $Y_e$ , ~~means for initializing the margins~~ are initialized to a zero position according to ~~[[the]]~~ a predetermined rule.

26. (Currently Once Amended) An apparatus for adjusting a print location for printing by a printer, comprising:

means for receiving print location information about a print location for printing on a printing medium by the printer and margin information about margins for printing on a printing medium from a computer;

means for determining the print location for printing on the printing medium using the print location information and the margin information; and

means for controlling the position of a printer head for printing on the printing medium according to the print location determined by the means for determining the print location;

wherein the means for determining the print location comprises:

means for determining an X-axis lower limit  $X_s$  that adds a left margin value  $M_l$  contained in the margin information to an X-axis minimum value  $X_{min}$  contained in the print location information, and means for determining an X-axis upper limit  $X_e$  that subtracts a right margin value  $M_r$  contained in the margin information from an X-axis maximum value  $X_{max}$  contained in the print location information;

means for determining a Y-axis lower limit  $Y_s$  that adds a top margin value  $M_t$  contained in the margin information to a Y-axis minimum value  $Y_{min}$  contained in the print location information, and means for determining a Y-axis upper limit  $Y_e$  that subtracts a bottom margin value  $M_b$  contained in the margin information from an Y-axis maximum value  $Y_{max}$  contained in the print location information;

24 means for comparing the X-axis lower limit  $X_s$  with the X-axis  
25 upper limit  $X_e$  and means for comparing the Y-axis upper limit  $Y_e$  with the  
26 Y-axis lower limit  $Y_s$ , respectively;

27 means for selectively changing the margins respectively according to  
28 a predetermined rule when any of the X-axis lower limit  $X_s$  is greater than  
29 or equal to the X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is  
30 greater than or equal to the Y-axis upper limit  $Y_e$ ; and

31 means for determining the X-axis lower limit  $X_s$  and the Y-axis  
32 lower limit  $Y_s$  as the respective X-axis and Y-axis coordinate values of a  
33 print starting point  $X_{st}$ ,  $Y_{st}$  when the X-axis lower limit  $X_s$  is less than the  
34 X-axis upper limit  $X_e$  and when the Y-axis lower limit  $Y_s$  is less than the  
35 Y-axis upper limit  $Y_e$ , and when the X-axis lower limit  $X_s$  is greater than or  
36 equal to the X-axis upper limit  $X_e$ , means for determining an X-axis  
37 coordinate value  $X_{st}$  of the print starting point that adds the X-axis  
38 minimum value  $X_{min}$  to a changed left margin value  $Ml'$  determined by the  
39 means for selectively changing the margins, and when the Y-axis lower  
40 limit  $Y_s$  is greater than or equal to the Y-axis upper limit  $Y_e$ , means for  
41 determining a Y-axis coordinate value  $Y_{st}$  of the print starting point that  
42 adds the Y-axis minimum value  $Y_{min}$  to a changed top margin value  $Mt'$   
43 determined by the means for selectively changing the margins.

Claim 27. (Canceled)

1           28. (Currently Once Amended)   The apparatus of claim [[27]] 26, further  
2 ~~comprised of~~ wherein, when any of the X-axis lower limit  $X_s$  is greater than or equal to  
3 the X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-  
4 axis upper limit  $Y_e$ , ~~means for initializing~~ the margins are initialized to a zero position  
5 according to [[the]] a predetermined rule.

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